Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	30 October 2022
Team ID	PNT2022TMID20083
Project Name	Personal Expense Tracker Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Vaidyanathan K
Sprint-1	Login	USN-2	As a user, I can register for the application through Gmail	1	High	Ragul T N
Sprint-1	Dashboard	USN-3	As a user, I can log into the application by entering email & password	2	High	Shrii Sudhan K
Sprint-2	Workspace	USN-1	Workspace for personal expense tracking	2	High	Karthikeyan I
Sprint-2	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Shrii Sudhan K
Sprint-2	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Ragul T N
Sprint-2	Workspace	USN-4	Making dashboard interactive with JS	2	High	Vaidyanathan K
Sprint-3	JS	USN-1	Wrapping up the server side works of frontend	1	Medium	Karthikeyan I

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	SendGrid	USN-2	Using SendGrid to send mail to the user about their expenses	1	Low	Vaidyanathan K
Sprint-3	Registration	USN-3	Integrating both frontend and backend	2	High	Ragul T N
Sprint-4	Docker	USN-1	Creating image of website using docker	2	High	Shrii Sudhan K
Sprint-4	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Karthikeyan I
Sprint-4	kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Vaidyanathan K/Ragul T N
Sprint-4	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Karthikeyan I /Shrii Sudhan K

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts